

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

LINDA S. POWERS; WALTHER R. ELLIS, JR.;
CHRISTOPHER R. LLOYD

SER. NO.:

UNKNOWN

FILED HEREWITH:

FOR:

TAXONOMIC IDENTIFICATION OF PATHOGENIC
MICROORGANISMS AND THEIR PROTEINS

PRELIMINARY AMENDMENT

November 12, 2003

Mail Stop New Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please amend Claim 76 as follows:

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1.
76. (Amended) A method for capture of a biological analyte onto a substrate wherein:
- (a) the ligands used are selected from the group consisting of: heme compounds, siderophores, polysaccharides, and peptides specific for outer membrane proteins, conjugated lipids prions, and microbial protein targets;
 - (b) the ligand is tethered at a distance of at least fifteen around forty Å from the substrate surface for the capture of microorganisms;
 - (c) the substrate is suitable for a column packing;
 - (d) the biological analytes are selected from the groups of: bacteria, viruses,

rickettsiae, protozoa, fungi, prions and microbial protein targets;

- (e) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from water samples;
- (f) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from medical samples ;
- (g) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from veterinary samples;
- (h) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from an aerosol;
- (i) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from food product slurries;
- (j) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from food ingredient slurries; and
- (k) the capture of the biological analytes on the substrate is used for the concentration of the biological analyte from soil slurries.

Applicant requests that the foregoing Amendment be entered prior to examination.

Respectfully submitted,



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